

Figure 1:

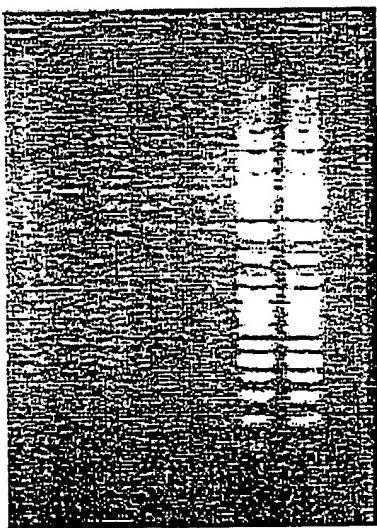
Purification of a range of DNA fragments from an aqueous solution. Comparison with various binding buffers in regard to binding efficiency.

Tracks 1 and 2: Isolated DNA ladder using buffer TH3
(monovalent cation in the salt used)

Tracks 3 and 4: Isolated DNA ladder using buffer TH2
(divalent cation in the salt used)

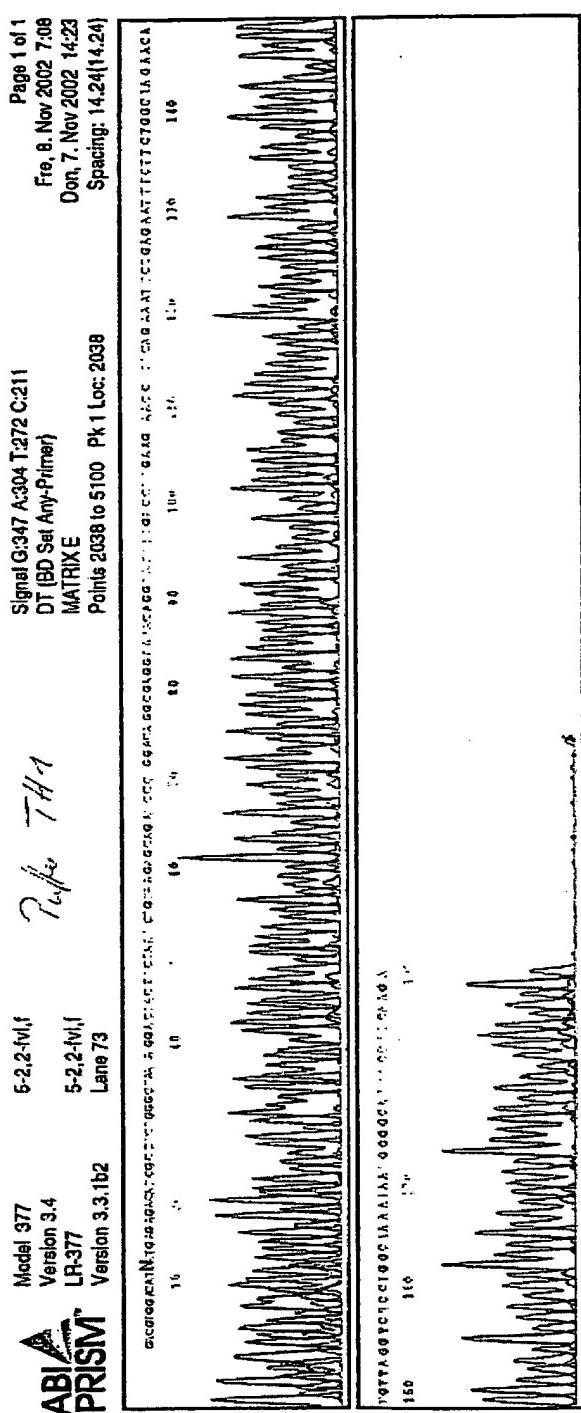
Tracks 5 and 6: Isolated DNA ladder using buffer TH1
(combination of both salts: monovalent and divalent cation)

1 2 3 4 5 6



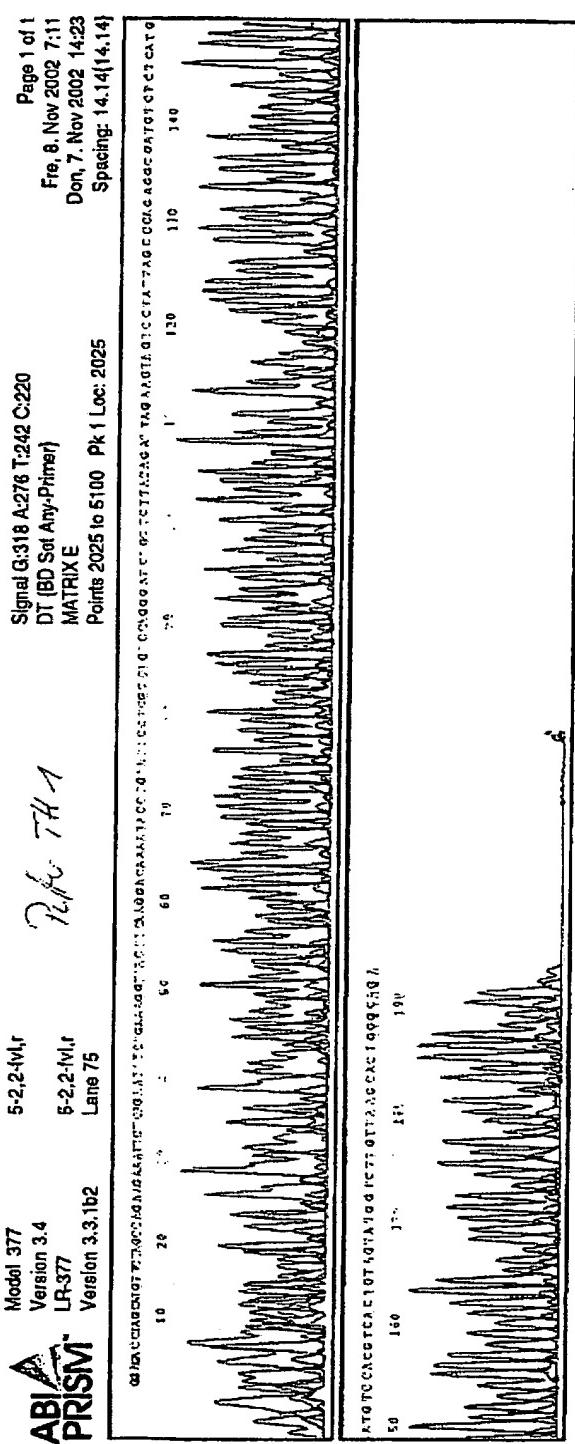
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Fig. 2



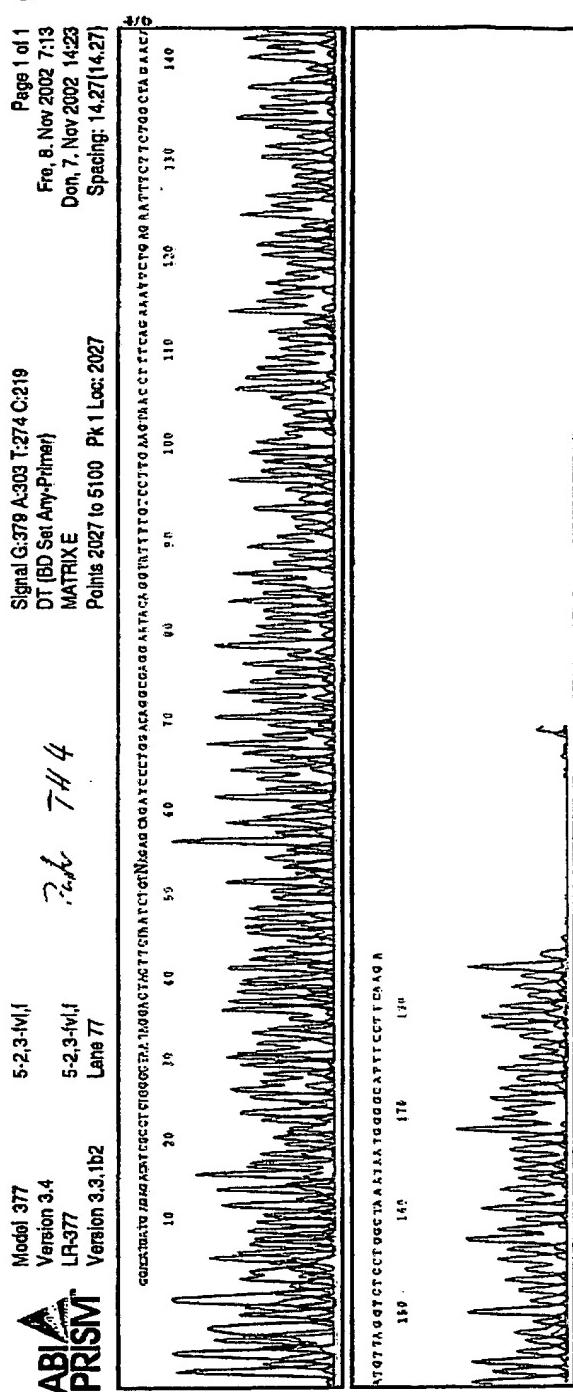
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Fig. 3



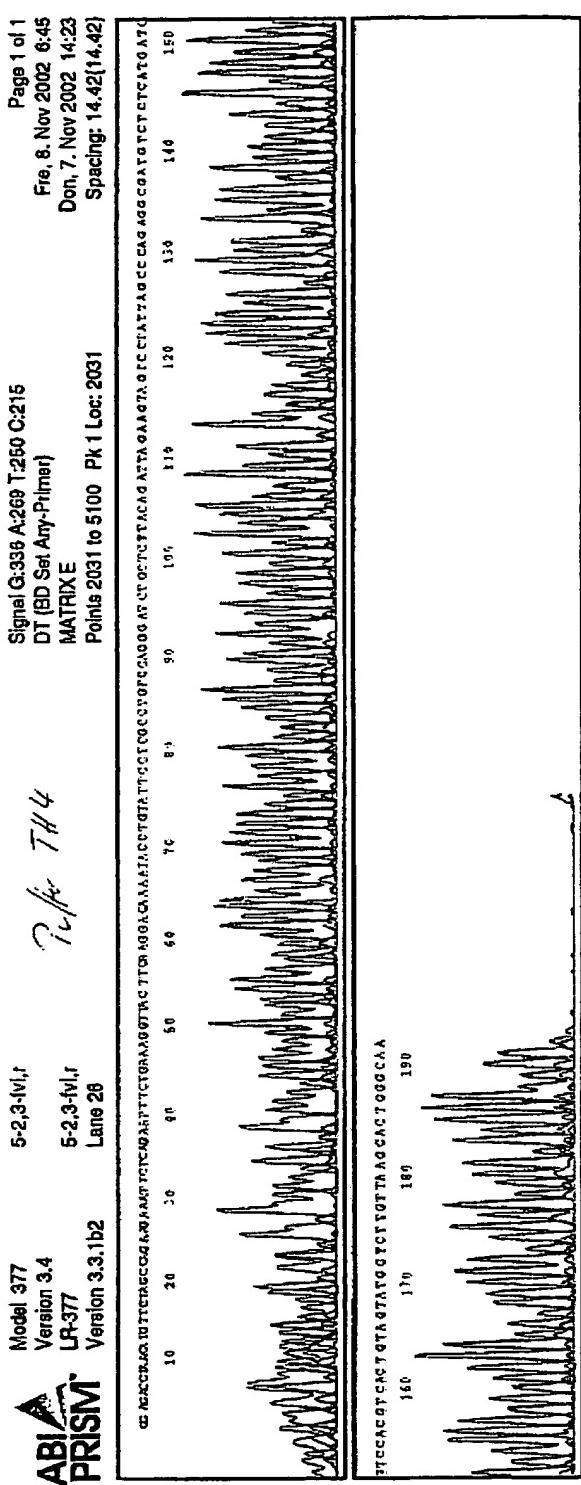
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Fig. 4



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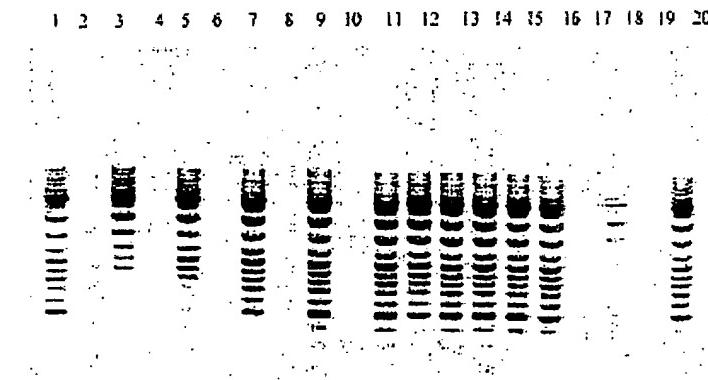
Fig. 5



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Figure 6

Purification of a range of DNA fragments from an aqueous solution. Comparison of various binding buffers in regard to binding efficiency in relation to the binding buffer's pH value.



- 1 - DNA ladder (without purification)
- 2 - empty
- 3 - R1+ (pH 6.5/ with isopropanol)
- 4 - R1 (pH 6.5/ without isopropanol)
- 5 - R2+ (pH 7.0/ with isopropanol)
- 6 - R2 (pH 7.0/ without isopropanol)
- 7 - R3+ (pH 7.5/ with isopropanol)
- 8 - R3 (pH 7.5/ without isopropanol)
- 9 - R4+ (pH 8.0/ with isopropanol)
- 10 - R4 (pH 8.0/ without isopropanol)
- 11 - R5+ (pH 8.5/ with isopropanol)
- 12 - R5 (pH 8.5/ without isopropanol)
- 13 - R6+ (pH 9.0/ with isopropanol)
- 14 - R6 (pH 9.0/ without isopropanol)
- 15 - R7+ (pH 9.5/ with isopropanol)
- 16 - R7 (pH 9.5/ without isopropanol)
- 17 - R8+ (pH 10.0/ with isopropanol)
- 18 - R8 (pH 10.0/ without isopropanol)
- 19 - empty
- 20 - DNA ladder (without purification)

Replacement Sheet (Rule 26)

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